

**INFORMATION DISCLOSURE
STATEMENT**

BY APPLICANT

Docket: 3382-61343

App: 10/020,708

Applicant: Chen et al.

Filed: December 14, 2001

Art Unit: 2171

U.S. PATENT DOCUMENTS

Init.*	Number	Date	Name	Class	Sub	Filed
AAA	5,686,964	11.11.97	Tabatabai et al.			
AAA	5,845,243	12.01.98	Smart et al.			
AAA	5,995,151	11.30.99	Naveen et al.			
AAA	6,115,689	09.05.00	Malvar			

RECEIVED

SEP 12 2002

Technology Center 2600

RECEIVED
MAY 08 2002
Technology Center 2100

OTHER DOCUMENTS

AAA		Gibson et al., <u>Digital Compression for Multimedia</u> , Title Page, Contents, "Chapter 7: Frequency Domain Coding," Morgan Kaufman Publishers, Inc., pp. iii, v-xi, and 227-262 (1998).
AAA		H.S. Malvar, <u>Signal Processing with Lapped Transforms</u> , Artech House, Norwood, MA, pp. iv, vii-xi, 175-218, and 353-57 (1992).
AAA		H.S. Malvar, "Lapped Transforms for Efficient Transform/Subband Coding," <i>IEEE Transactions on Acoustics, Speech and Signal Processing</i> , Volume 38, No. 6, pp. 969-78 (1990).
AAA		Seymour Schlien, "The Modulated Lapped Transform, Its Time-Varying Forms, and Its Application to Audio Coding Standards," <i>IEEE Transactions on Speech and Audio Processing</i> , Vol. 5, No. 4, pp. 359-66 (July 1997).
AAA		de Queiroz et al., "Time-Varying Lapped Transforms and Wavelet Packets," <i>IEEE Transactions on Signal Processing</i> , Vol. 41, pp. 3293-3305 (1993).
AAA		Herley et al., "Tilings of the Time-Frequency Plane: Construction of Arbitrary Orthogonal Bases and Fast Tiling Algorithms," <i>IEEE Transactions on Signal Processing</i> , Vol. 41, No. 12, pp. 3341-59 (1993).

EXAMINER:

Angela Armstrong

DATE

9/24/05

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Docket: 3382-61343	App: 10/020,708
		Applicant: Chen et al.	
		Filed: December 14, 2001	Art Unit: 2171
OTHER DOCUMENTS			
AAA		ISO/IEC 11172-3, Information Technology -- Coding of Moving Pictures and Associated Audio for Digital Storage Media at Up to About 1.5 Mbit/s -- Part 3: Audio, 154 pp. (1993).	
AAA		Dolby Laboratories, "AAC Technology," 4 pp. [Downloaded from the web site aac-audio.com on World Wide Web on November 21, 2001.]	
AAA		Srinivasan et al., "High-Quality Audio Compression Using an Adaptive Wavelet Packet Decomposition and Psychoacoustic Modeling," <i>IEEE Transactions on Signal Processing</i> , Vol. 46, No. 4, pp. 1085-93 (April 1998).	
AAA		Caetano et al., "Rate Control Strategy for Embedded Wavelet Video Coders," <i>Electronics Letters</i> , pp. 1815-17 (October 14, 1999).	
AAA		Ribas Corbera et al., "Rate Control in DCT Video Coding for Low-Delay Communications," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 9, No. 1, pp. 172-85 (February 1999).	
AAA		Zwicker et al., <i>Das Ohr als Nachrichtenempfänger</i> , Title Page, Table of Contents, "I: Schallschwingungen," Index, Hirzel-Verlag, Stuttgart, pp. III, IX-XI, 1-26, and 231-32 (1967).	
AAA		Terhardt, "Calculating Virtual Pitch," <i>Hearing Research</i> , 1:155-182 (1979).	
AAA		Lufti, "Additivity of Simultaneous Masking," <i>Journal of Acoustic Society of America</i> , 73:262-267 (1983).	
AAA		Jesteadt et al., "Forward Masking as a Function of Frequency, Masker Level, and Signal Delay," <i>Journal of Acoustical Society of America</i> , 71:950-962 (1982).	
EXAMINER: <i>Angela Armstrong</i>		DATE: <i>9/24/05</i>	
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.		RECEIVED SEP 12 2002 Technology Center 2600	

SEP 1 2 2002

SAW:iar 05/01/2002 3382-61343 112474

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Docket: 3382-61343	App: 10/020,708
		Applicant: Chen et al.	
		Filed: December 14, 2001	Art Unit: 2171
OTHER DOCUMENTS			
AA/1		ITU, Recommendation ITU-R BS 1387, Method for Objective Measurements of Perceived Audio Quality, 89 pp. (1998).	
AA/1		ITU, Recommendation ITU-R BS 1115, Low Bit-Rate Audio Coding, 9 pp. (1998).	
AAA		Beerends, "Audio Quality Determination Based on Perceptual Measurement Techniques," <u>Applications of Digital Signal Processing to Audio and Acoustics</u> , Chapter 1, Ed. Mark Kahrs, Karlheinz Brandenburg, Kluwer Acad. Publ., pp. 1-38 (1998).	
AAA		Zwicker, <u>Psychoakustik</u> , Title Page, Table of Contents, "Teil I: Einfuhrung," Index, Springer-Verlag, Berlin Heidelberg, New York, pp. II, IX-XI, 1-30, and 157-162 (1982).	
AAA		Solari, <u>Digital Video and Audio Compression</u> , Title Page, Contents, "Chapter 8: Sound and Audio," McGraw-Hill, Inc., pp. iii, v-vi, and 187-211 (1997).	
AAA		A.M. Kondo, <u>Digital Speech: Coding for Low Bit Rate Communications Systems</u> , "Chapter 3.3: Linear Predictive Modeling of Speech Signals" and "Chapter 4: LPC Parameter Quantisation Using LSFs," John Wiley & Sons, pp. 42-53 and 79-97 (1994).	
AAA		Kadatch, U.S. Patent Application Serial No. 09/771,371, entitled, "Quantization Loop with Heuristic Approach," filed January 26, 2001.	
AAA		Chen et al., U.S. Patent Application Serial No. 10/017,694, entitled, "Quality and Rate Control Strategy for Digital Audio," filed December 14, 2001.	
AAA		Chen et al., U.S. Patent Application Serial No. 10/017,702, entitled, "Quantization Matrices for Digital Audio," filed December 14, 2001.	
EXAMINER: <i>Angela Armstrong</i>		DATE: <i>9/24/05</i>	
*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.			

RECEIVED

MAY 10 8 2002

Technology Center 2100

SEP 12 2002

SAW:iar 05/01/2002 3382-61343 112474

Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

BY APPLICANT

Docket: 3382-61343

App: 10/020,708

Applicant: Chen et al.

Filed: December 14, 2001

Art Unit: 2171

OTHER DOCUMENTS

Chen et al., U.S. Patent Application Serial No. 10/017,861, entitled, "Techniques for Measurement of Perceptual Audio Quality," filed December 14, 2001.

Chen et al., U.S. Patent Application Serial No. 10/016,918, entitled, "Quality Improvement Techniques in an Audio Encoder," filed December 14, 2001.

Wragg et al., "An Optimised Software Solution for an ARM Powered™ MP3 Decoder," 9 pp. [Downloaded from the World Wide Web on October 27, 2001.]

Fraunhofer-Gesellschaft, "MPEG Audio Layer-3," 4 pp. [Downloaded from the World Wide Web on October 24, 2001.]

Fraunhofer-Gesellschaft, "MPEG-2 AAC," 3 pp. [Downloaded from the World Wide Web on October 24, 2001.]

OPTICOM GmbH, "Objective Perceptual Measurement," 14 pp. [Downloaded from the World Wide Web on October 24, 2001.]

De Luca, "AN1090 Application Note: STA013 MPEG 2.5 Layer III Source Decoder," STMicroelectronics, 17 pp. (1999).

Phamdo, "Speech Compression," 13 pp. [Downloaded from the World Wide Web on November 25, 2001.]

Malvar, "Biorthogonal and Nonuniform Lapped Transforms for Transform Coding with Reduced Blocking and Ringing Artifacts," appeared in *IEEE Transactions on Signal Processing, Special Issue on Multirate Systems, Filter Banks, Wavelets, and Applications*, vol. 46, 29 pp. (1998).

EXAMINER:

Angela Armstrong

DATE:

9/24/05

*Examiner: Initial if considered, whether or not in conformance with MPEP 609; draw line through cite if not in conformance and not considered. Send copy.



RECEIVED
MAY 08 2002
Technology Center 2100